

# PATENT ABSTRACTS OF JAPAN

(11) Publication number : 11-235411  
 (43) Date of publication of application : 31.08.1999

(51) Int.CI. A63C 17/22  
 A63B 71/06  
 A63C 17/26

(21) Application number : 10-360816 (71) Applicant : SKF FRANCE  
 (22) Date of filing : 18.12.1998 (72) Inventor : MESSAGE OLIVIER  
 LANDRIEVE FRANCK

(30) Priority  
 Priority number : 97 9716068 Priority date : 18.12.1997 Priority country : FR

## (54) DEVICE FOR DETECTING ROTATIONAL SPEED AND WHEEL ASSEMBLY FOR INLINE SKATE HAVING THE SAME

### (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a device for detecting rotational speed which enables protection of a sensor and an encoder.

**SOLUTION:** In this device which detects the rotational speed of a wheel 1 of each inline skate, the wheel is supported by rotary bearing rings 7 of two roller bearings 5 and 6 and fixed bearing rings 9 of the roller bearings are fixed on an axle 16 mounted on a plate 20. This detecting device is provided with a sensor means 30 and an encoder means which are arranged in a space formed by the two roller bearings in the axial direction thereof and by a cylindrical circumferential surface with the diameter thereof equal to the outer diameter 7a of the external bearing rings 7 of the roller bearings coaxially with the roller bearings in the radial direction thereof.

